

Arithmetic Expression Evaluator

Project Description

In this project, we have developed a versatile arithmetic expression evaluator using C++. The program takes an arithmetic expression as input, parses it, and calculates the result according to the order of operations (PEMDAS). This project is designed to reinforce your understanding of parsing techniques, data structures, and algorithm design.

Features

- Evaluates arithmetic expressions according to the order of operations (PEMDAS).
- Supports addition, subtraction, multiplication, division, exponents, modulus, and parentheses.
- Handles numerical constants and conversion from integers to floating-point numbers.
- Provides error handling for division by zero and other input issues.
- Offers a user-friendly command-line interface.

Contact

If you have any questions or suggestions, please contact Audrey Pan through audreypan@ku.edu.